



## Campus K12 Content Offerings June, 2005



### Association for Supervision and Curriculum Development

#### **ASCD: Yesterday, Today, and Tomorrow (Free Course)**

This four-lesson tutorial is designed to help you explore ASCD's rich history and to consider ways that you can contribute to the Association. You will also explore the importance of crafting meaningful mission statements and consider how a strategic plan can help an organization live its mission.

*Cost: Free*

#### **Ask Now, Not Later: How to Evaluate Professional Development**

To create powerful powerful development (PD) programs, you must plan with results in mind, monitor the programs more closely by using specific evaluation models, and then adjust them as needed to make them as effective as possible. In this 8 lesson course, you will learn how to use formative and summative evaluation data to make PD programs more powerful. Specifically, you will learn how to ensure that your adult learners increase their understanding and skills and can use what they learn in the workplace. Professional development leaders frequently just assume that their adult participants are learning the content. To get results from PD programs, you need to accept that collecting qualitative and quantitative data from your participants is no longer optional — it is required to document immediate participant learning as well as subsequent new skill transfer and implementation.

*Cost: \$89.95*

#### **Assessment Library by ASCD**

Education is no longer focused on what the teacher is teaching, but on what the student is learning. For assessment to be effective, it must help teachers discover what students know—and give the information they need to refine their lessons. In these three courses, educators will learn more about effective assessment practices, discover the teacher behaviors that support sound assessment, and explore how performance assessments can give students meaningful ways to demonstrate their understanding.

*Cost: \$269.85*

#### **Becoming an Effective Substitute Teacher**

Substitute teachers are critical to the success of our K–12 system. Substitutes are called in for short- and long-term assignments, for emergency absences, and to ensure that students still receive sound educational instruction when their regular teachers are participating in professional development. What does it mean to be effective? It means being prepared, knowledgeable, and professional. It means being able to manage classroom behavior and to provide stimulating instruction. It means communicating students' daily progress to the regular classroom teacher. In this 7 lesson course, the participant will be introduced to proven best practices for becoming an effective



substitute teacher — from the use of a sub-pack, to classroom management strategies, to teaching suggestions.

**Cost: \$89.95**

### **Bridging Learning Theory in the Classroom**

Giving the learner more control has been a key goal of education reform in recent years. The modern classroom should reflect a learning environment that is far different than what is now called the traditional model. When we eagerly adopt new learning theories, the implication is that older theories are outmoded, or just plain wrong, and that the newer theories offer a panacea — educate everyone in just the right way, at just the right time. This raises the question: Should older theories be discarded and newer theories be used to the exclusion of others? As we consider this question and related issues in this 6 lesson course, we'll explore several influential teaching models; discuss the role of personalization through the incorporation of learning and teaching styles into the educational paradigm; and preview how those learning theories are bridged in the classroom.

**Cost: \$89.95**

### **Classroom Management: Building Relationships for Better Learning**

This 7 lesson course presents a broad conception of classroom management. Participants will explore how interpersonal relationships can provide the key to successful classroom management. In this course, participants will reflect on their relationships with students and develop a plan for enhancing these relationships; practice successful strategies for eliminating inappropriate classroom behavior; learn how to develop students' emotional intelligence as a way to manage classroom behavior; and adopt an approach to classroom management that will not be a constant drain on class time. This course provides reflective activities, opportunities to observe and analyze classroom interactions, and actual skill practice.

**Cost: \$89.95**

### **Conflict Resolution**

This 6 lesson course helps educators understand how they can teach conflict resolution skills and empower students to resolve conflicts. Based on the Johnson and Johnson book, *Reducing School Violence*, this course helps teachers understand how they can — and why they should — address conflict resolution in the classroom and, if feasible, in the school setting. Teachers' responsibilities include: creating an environment that empowers students to resolve conflicts constructively; teaching students how to negotiate; teaching students how to mediate; knowing how and when to mediate if peer mediation fails; and knowing how and when to arbitrate if peer and teacher mediation fails. This course also features lessons from the *Working Together to Resolve Conflict* curriculum published by the University of Florida's Conflict Resolution/Peer Mediation Project.

**Cost: \$89.95**

### **Contemporary School Leadership**

Leading today's complex schools is a challenge. In fact, it's estimated that more than 40 percent of principals have left the profession over the last ten years (Matthews, 2002), quite possibly because of the changed nature of their jobs. Principals report they are frustrated by the lack of time to complete their tasks. In this 6 lesson course, we provide



an overview of topics contemporary school leaders need to know as contemporary leaders, including: defining instructional leadership, using data to support continuous progress, dealing with complex change, investigating distributive leadership strategies, supporting learning communities, and redefining professional development as a process, not an event.

**Cost: \$89.95**

### **Crafting Curriculum**

This 6 lesson course focuses primarily on guiding curriculum development questions and examines the way in which instruction and assessment support — and are supported by — the curriculum. It also provides an opportunity for each learner to think about the choices educators make in the process of developing an instructional program. Among other learning goals, the participant will define curriculum and other terms associated with the curriculum development process; explore various types of curriculum; examine approaches educators often take when creating curriculum; determine how to ensure that curriculum is *coherent*; and explore the links between curriculum, instruction, and assessment.

**Cost: \$89.95**

### **Creating an Effective Substitute Teacher Program**

The words, "Substitute! Substitute! Yeah!" ringing down school corridors bring to mind images of kids running wild. But it doesn't have to be that way. This 6 lesson course is designed for anyone tasked with setting up substitute training programs who wants to go beyond the traditional bodily fluid and hazardous material type workshop. Successful programs are comprehensive and provide the following: clear expectations, professional development opportunities, subsequent training sessions, and supervision and feedback procedures. In short, our goal is to provide examples of exemplary programs, discuss why they are exemplary, and to provide the participant with the tools to create or improve your substitute training program so that it addresses specific district needs and gives substitute teachers an informed voice.

**Cost: \$89.95**

### **Creating and Sustaining Professional Learning Communities**

In an effort to address the question, How can we improve student learning, contemporary school leaders can create and sustain professional learning communities (PLCs), which provide support systems to accurately identify and meet the ever changing needs of each student. Schools that operate as professional learning communities enable their members to discuss problems and to develop strategies for dealing with those problems. In this 7-lesson course, we have three objectives. The first is to investigate how contemporary school leaders communicate and collaborate with all stakeholders, including parents, teachers, administrators, community members, and district personnel, to promote the vision of improved student learning. The second objective is to discuss the roles of student improvement plans (SIPs), issues of change, and professional development in building the spiral of reform that facilitates successful learning communities. Finally, our third objective is to offer several strategies for instantiating and sustaining the learning community process.

**Cost: \$89.95**



### **Creating Standards-Based Curricula**

The standards movement has brought sweeping changes to states, districts, and schools across the U.S. While the goals of standards are clear, the process involved in achieving those goals can be quite overwhelming. This 6 lesson course will introduce and help clarify the processes required to successfully implement standards into the curriculum. Participants of this course will learn what the standards movement is; understand the impact the standards movement has on teachers, administrators, students, and parents; review how national and state standards are influencing how teachers teach today and what steps need to be taken to ensure that all children are reaching the goals of those standards; understand the basic steps needed to implement standards; understand how to continue using various teaching strategies in the standards-based classroom; and understand the challenges involved in implementing standards.

***Cost: \$89.95***

### **Designing Performance Assessments**

This 6 lesson course focuses on the purpose of performance assessments and shows participants how to develop performance assessment tasks. In addition to explaining what performance assessment is, this course provides a model to guide educators in developing performance assessments that provide meaningful feedback concerning student learning to students, teachers, and parents.

***Cost: \$89.95***

### **Differentiating Instruction**

This 5 lesson course is designed to enhance participants' understanding of how to better meet the needs of different learners. Participants will examine the characteristics of a differentiated classroom; learn how to frame instruction around concepts and essential understandings; identify techniques for differentiating content, process, and product; and explore how to differentiate on the basis of students' readiness, interest, and learning profile. Participants will also reflect on their beliefs and practices relative to differentiation, read and analyze examples of differentiated learning activities, and design a differentiated activity.

***Cost: \$89.95***

### **Early Childhood Mathematics**

This 5 lesson course will introduce participants to appropriate instructional strategies for Pre-K through second grade. Participants will then see how brain-based instructional approaches are applied to mathematics instruction, as described in the Curriculum and Evaluation Standards for School Mathematics, released by the National Council of Teachers of Mathematics (NCTM). Participants will also explore NCTM's assessment standards and learn how the Beginning School Mathematics' (BSM) curriculum framework is aligned with the standards. Interactive exercises will allow participants to apply the standards to their own lessons.

***Cost: \$89.95***

### **Effective Leadership**

This 8 lesson course introduces participants to a variety of tools and techniques designed to enhance leadership skills. However, knowing one's own leadership talents is only part of becoming a more effective leader. Other topics include how to improve the team-



building process, how to resolve conflict, and how to become more effective decision makers. Extensive interactive exercises provide participants with ample opportunity to extend their understanding of effective leadership issues.

**Cost: \$89.95**

#### **Embracing Diversity, Respecting Others**

This 7 lesson course is designed to give teachers the tools they need to create environments of acceptance and harmony in today's schools. Participants will first explore the diverse landscape that is the United States and its schools today. Participants will then be asked to look inward and reflect on their own beliefs and biases. Lastly, participants will be asked to set tolerance goals for their schools and to create an action plan that will help them accomplish their goals. This course will also give participants an opportunity to explore curricula and lessons that focus on tolerance and diversity. Additionally, participants will learn about instructional approaches that have been recommended by *tolerance* professionals and used by teachers.

**Cost: \$89.95**

#### **English Language Learners in the Mainstream: Strategies That Work**

English Language Learners (ELLs) make up the fastest-growing segment of the population in many schools across the United States. As a result, many general education teachers find they are in the position, with limited preparation and training, to teach these learners. In order to do this most effectively, teachers must learn about second language acquisition and find ways to meet the unique needs of their ELL students. This seven-lesson course aims to prepare teachers to work more effectively with English language learners in mainstream classes. Providing English language learners with appropriate instruction and support in the mainstream classroom takes extra time and effort, but the payoff is worth it. Not only do ELL students benefit, so does the rest of the class.

**Cost: \$89.95**

#### **Exemplary Assessment: Measurement That's Useful**

One-shot, fill-in-the-blank testing is no longer an adequate measure of performance in the 21st century. Paper-and-pencil assessments are not entirely obsolete — they can provide information about a student's performance — but their ability to do so is necessarily limited. In this 6 lesson course, participants will have the opportunity to think about current assessment practices and learn the key ingredients to any effective assessment, including why assessment reform is necessary, examine reform challenges, learn about effective assessment measures, and explore ways to move your school toward using more effective assessment. This course is designed for educators interested in learning about exemplary assessment or improving assessment practices.

**Cost: \$89.95**

#### **Global Education**

This 7 lesson course provides an introduction to teaching using a global perspective. Merry Merryfield, Professor of Social Studies and Global Education at Ohio State University, and Tim Dove, Social Studies teacher at McCord Middle School in Worthington, Ohio, offer their perspectives throughout the course. Participants will explore elements of global education; observe how others have incorporated global education into their classrooms or schools; critique classroom-tested lesson plans and



units; infuse global education into a lesson, unit, or theme you already teach; explore teaching strategies; locate national and state standards and frameworks that address global education; and find networking opportunities with others interested in global education through the ASCD Global Education Network. The Nuts and Bolts segments will help participants explore some practical questions and concerns about global education.

***Cost: \$89.95***

### **Helping Struggling Readers**

The importance of knowing how to read can be summed up very simply: We must know how to read if we want to succeed in school and in life. In this seven-lesson course, we present strategies that teachers can use to help struggling readers. Among other course goals, participants will learn how to help students develop phonemic awareness and phonics knowledge, ways to teach vocabulary, and how to help students make meaning from text. Participants will also consider why sustained silent reading should be incorporated at all grade levels (K-12). Finally, after reviewing model reading improvement programs, participants will create an action plan that they can use with their own struggling readers.

***Cost: \$89.95***

### **Improving Student Achievement with Dimensions of Learning**

In this 7-lesson course, you will look at what is known about the learning process and then investigate and apply research-based instructional strategies that will help your students become productive members of exciting and creative communities of learning. This course is ideal for instructors and central office curriculum specialists interested in creating and sustaining classrooms that promote the principles of equity and excellence. As you focus on the five Dimensions of Learning that reflect these principles, you will investigate strategies for creating a classroom climate that helps even resistant or underachieving students blossom by making them feel safe and accepted; learn how Dimensions of Learning can promote true standards-based instruction and learning; examine what is known about teaching thinking skills directly, including promoting students' ability to respond to open-ended and interpretive questions; look at ways for students to use complex reasoning processes within meaningful, real-world tasks and independent projects; and consider how educators can become catalysts for promoting students' commitment to lifelong learning.

***Cost: \$89.95***

### **Managing Challenging Behavior**

For many teachers, managing student behavior has become a challenge. Behavioral problems such as noncompliance, defiance, inattention, and aggression are an everyday occurrence. These day-to-day challenges steadily wear down the good and positive attitudes present at the beginning of the school year. This 7-lesson course offers strategies to help teachers move beyond judgments of challenging behaviors and look at the behaviors more objectively, allowing the teacher to shift focus from controlling the student to teaching the student personal responsibility — educating the student to become a self-regulated learner. Making this transition from a traditional discipline system to a more contemporary approach to managing challenging behaviors requires an understanding of several issues, including: challenging behavior risk factors; teacher



self-monitoring skills; control versus power games; accepting personal responsibility; and family and community involvement.

***Cost: \$89.95***

#### **Maximizing Assistance: Supervising Paraeducators in Your Classroom**

More than 930,000 paraeducators were employed in the United States in 1995—a number the Bureau of Labor Statistics predicts will increase by 38 percent by 2005. As the number of paraeducators has increased, so has the complexity in the tasks assigned to them. Recent No Child Left Behind (NCLB) legislation provides specific requirements as to the role paraeducators will have in the classroom. So, the need to train teachers on how to supervise paraeducators is critical, especially as many teachers—in both general and special education settings—have not been prepared for this role.

In this five-lesson PD Online course, teachers will have a chance to consider their ideas about supervision and explore the contributions paraeducators and other adults can make to our children's educations. Those taking this course will also have an opportunity to create a plan for training and working effectively with the paraeducators in the classroom.

***Cost: \$89.95***

#### **Middle School Mathematics**

In late 2003, Johnny Lott, president of National Council of Teachers of Mathematics (NCTM), hosted an online chat session where he asserted, in effect, that students are being trained to believe they cannot excel in mathematics. In fact, he even went so far as to term this "mathematical abuse" (Lott, 2003, para. 3). Although some participants thought his claim resembled tabloid hyperbole, others agreed with his ideas. Of course, we don't presume that this six-lesson course will address everyone's concerns about mathematics teaching and learning, but we do believe that it continues the tradition started with an earlier PD Online course, Early Childhood Mathematics, of aligning standards with solid teaching strategies. In particular, we address the role of NCTM in promoting best practices, and we underscore our belief that mathematics teaching can improve if we emphasize understanding rather than simply processes, support relevant activities and lessons, use brain-based strategies to facilitate learning, and combine the use of standards with a sense of mathematical wonder.

***Cost: \$89.95***





### **Multiple Intelligences**

In this 9 lesson course, participants learn about the theory of multiple intelligences. Participants will explore each intelligence area and create their own intellectual profile. This is an important endeavor, for when we reflect on the many ways we learn, we can better appreciate the intellectual diversity of our students and our colleagues. Participants will also be given a chance, throughout the course, to consider how their understanding of the multiple intelligences theory can enhance their own teaching and learning. Howard Gardner has said that the theory of multiple intelligences is like an inkblot test. Those who read about the theory often have very different ideas about how to apply it to curriculum, instruction, and assessment. After completing this course, participants will be ready to try and personalize the educational experience and to make learning more meaningful for all students.

***Cost: \$89.95***

### **Observing for Dimensions of Learning in Schools**

Dimensions of Learning was one of the first comprehensive instructional improvement models to be based on the learning process itself. We know that learning improves when the learner's self-knowledge is taken into account and a variety of techniques are used within the learning environment to enhance the learning experience. Dimensions of Learning reflects these understandings. The central goal of this course is to further delve into Dimensions of Learning by exploring the process of observing for Dimensions of Learning. This 7-lesson course is ideal for administrators and central office curriculum specialists interested in sustaining classrooms and schools that promote effective learning principles — principles reflected in the five Dimensions of Learning. We believe that by exploring this acclaimed instructional improvement model, you and your colleagues will discover a range of strategies for using Dimensions of Learning principles to promote substantial school improvement.

***Cost: \$89.95***

### **Parents as Partners in Schooling**

In this 10 lesson course, teachers, administrators, and others explore issues related to parental involvement in school. Participants will explore how to build a better partnership between schools, families, and community members. The six standards for parent involvement published by the National Parent Teacher Association provide a framework for considering how to best involve parents and community members in school life.

***Cost: \$89.95***

### **Planning for Technology**

This 9 lesson course introduces participants to an easy-to-remember set of guidelines for choosing and using effective technology resources in the classroom. Participants will explore how the thoughtful selection and the use of a variety of technology resources can enhance teaching and learning, support curriculum goals, and motivate students to learn.

***Cost: \$89.95***





### **Student Portfolios: Getting Started in Your Classroom**

This 7 lesson course helps teachers understand the benefits of using student portfolios as an assessment tool. The course will give teachers strategies and suggestions that will help them implement the use of portfolios in their classroom. Specifically, participants will define "portfolio" and determine the role of the portfolio in their classroom. Participants will learn how to help students reflect on their own work, and will explore ways to review and evaluate their students' portfolios.

***Cost: \$89.95***

### **Success with Differentiated Instruction**

Differentiated instruction is responsive instruction — that is, instruction that responds to students' needs. In this seven-lesson course, we'll examine the characteristics of high-quality differentiation. By the end of the course, you will be able to articulate a rationale for differentiation; identify ways to introduce differentiation to students, parents, and your extended learning community; explain the roles of quality curriculum, respectful activities, and flexible grouping in quality differentiation; identify ways to assess for readiness, interest, and learning profile; describe and apply a range of instructional strategies that support differentiation for readiness, interest, and learning profile; reflect on your own classroom practices that fit in with the philosophy of differentiation; and devise a plan for continued professional growth in differentiation. Our goal for this course is to facilitate learning for each student of differentiation's journey as we collectively strive to rise to the challenge of providing the best learning opportunities for all of our children.

***Cost: Free (Trial period only)***

### **Successful Strategies for Literacy and Learning**

Many content area teachers balk at the idea of having to teach "reading" to their students, especially when their class curriculum is already so full. Still, several simple strategies that assist students in comprehending subject matter can be easily implemented into any lesson plan. These strategies not only help students connect with the ideas being presented to them in the text, but also give them a purpose for reading. This 8 lesson course will help participants understand why it's important for every teacher, in all subject areas, to become involved in teaching his or her students how to read, write, and comprehend the subject matter being presented to them. In addition, a Web-based bulletin board will give participants the opportunity to discuss their reactions to course content with colleagues also enrolled in the course. Using the simple strategies presented in this course will enable participants to take one step toward helping all students acquire the skills needed to excel not only in school, but also later in life.

***Cost: \$89.95***

### **Supporting Student Health and Achievement**

While health is not the primary mission of education, educators cannot ignore the many health-related factors that interfere with effective teaching and learning. Health barriers, such as school safety, asthma, obesity, and stress, reduce students' and teachers' ability to focus on the daily tasks of education and reduce the likelihood that students will become healthy, productive adults. This 7 lesson course introduces a coordinated approach to addressing school health issues that is useful for school administrators, teachers, and anyone concerned about promoting the well-being of students and staff. In this course, you will learn how to develop the case for a coordinated approach to school health; identify the health-related activities in your



school or district that lay the foundation for a coordinated approach; structure a coordinated approach; and find resources to support school health efforts. While a coordinated approach to school health is not a panacea for removing the barriers to learning, it can, however, help to initiate a change process that enhances students' odds for success.

**Cost: \$89.95**

### **Surviving and Thriving in Your First Year of Teaching**

Research reveals that up to one-third of new U.S. teachers leave the profession within the first few years. New teachers often feel overwhelmed by the challenges they face in their first year of teaching. This 7 lesson course is designed to give new teachers strategies for dealing with the realities and responsibilities of the classroom. Specifically, participants will identify expectations and set realistic goals; review strategies for starting the school year right; learn how to work with parents and the community; learn how to develop a relationship with a mentor; consider various classroom management strategies; explore ideas for lesson planning and assessment; and reflect on their first year of teaching.

**Cost: \$89.95**

### **Teacher Behaviors That Promote Assessment for Learning**

In this 10 lesson course, participants will be introduced to the concept of assessment for learning. They'll learn the ten teacher behaviors that promote student learning and support sound assessment. Participants will also explore the standards for quality assessment. In addition, this course will give participants a chance to explore ideas about the purposes of assessment, fairness, standards-based planning for assessment, involving students in assessment, motivation and learning, and communicating student learning to other stakeholders.

**Cost: \$89.95**

### **Teaching Better With Technology**

Modern technology, for all of its bells and whistles, can never replace a good teacher. But, a good teacher, armed with effective tools and strategies to utilize technology, can become an even better teacher. This 7 lesson course, introduces the participant to a variety of tools and strategies to help build an understanding of how to use technology to obtain, organize, analyze, and share information. You will also visit "virtual computer labs" in which you will be asked to experiment with a piece of software (free downloads included) or teaching tool to create curriculum tailored to a specific grade level and content area.

**Cost: \$89.95**

### **The Brain: Memory and Learning Strategies**

This 6 lesson course examines teaching strategies that have been proven to enhance learning, and will explore why these strategies might be effective in terms of how the brain remembers. This course will focus on memory and seek to relate it to classroom practices. Specifically, the course will explain the two memory systems that have been definitively identified by neuroscience — *explicit* and *implicit* — and show how certain instructional strategies may promote particular types of memory formation. When you complete Memory and Learning Strategies, you will have become acquainted with the basics of how the brain forms new memories. It is the instructor's intention that this



information will combine with your own clinical knowledge and experience to enhance learning opportunities for your students.

***Cost: \$89.95***

#### **The Brain: Understanding the Mind**

It's important that teachers understand how their attitudes and presence in the classroom can affect how the brain learns. It's also important that teachers understand that they can help students develop a positive mindset and an enthusiasm for learning. This seven-lesson course will give teachers and teacher leaders a chance to examine how social-emotional and external factors affect the brain's performance and, as a result, influence learning. Participants will also explore such factors as attitudes toward learning and motivation as well as the importance of proper nutrition and adequate exercise.

***Cost: \$89.95***

#### **The Brain: Understanding the Physical Brain**

In this 7 lesson course, participants will explore the physical aspects of the brain and consider its role in emotions, memory, reasoning, planning, and problem solving. Participants will examine the possible implications for classroom practice and hear from prominent educators and scientists who have been studying the brain for many years. Throughout the course, participants will broaden their understanding of how to best use what they know about the brain to guide teachers' practice.

***Cost: \$89.95***

#### **The Inclusive Classroom**

In 1975, the U.S. government declared that all disabled children have the right to a free education. The law Congress passed also stipulated that students with disabilities must be educated with children who are not handicapped to the maximum extent possible. According to the lawmakers, the general education classroom was the least restrictive environment for learning and development to take place for a disabled person. Teachers who already have students with mild to moderate learning disabilities, or who teach (or will be teaching) severely disabled students, will find this seven-lesson course helpful. Each lesson addresses some of the most common concerns that educators have about teaching students with disabilities — concerns about the effectiveness of inclusion, anxiety about not having enough time or enough training, fear about the potential disruption to their class, and uncertainty about the most effective teaching strategies and assessment measures for disabled students.

***Cost: \$89.95***



### **The Reflective Educator**

In this 9 lesson course, participants will consider the need to be reflective about their practice. Participants will learn about themselves as educators and will determine how they can build and maintain a reflective practice. In addition, participants hear other educators talk about their experiences as reflective practitioners through the video/audio selections. During the course, participants will give thoughtful consideration to the ways in which they now engage in professional work, and they will identify personal priorities and resources for making a credible difference in education through their practice.

***Cost: \$89.95***

### **Toward Equity in Achievement**

Perhaps no issue in education today causes more distress, yet simultaneously inspires more determination, than what has been called “the achievement gap.” In the face of troubling statistics that reveal the deepest divisions in our society as a whole, schools are challenged with bringing underachieving students up to satisfactory levels of performance while continuing to provide enriching instruction for students who are in the ideal spot on the achievement continuum. This seven-lesson course will help district and school-level leaders explore what it means to strive for equity in achievement and provide insight about education policies that support their earnest efforts to attain equity in achievement.

***Cost: Free (Trial period only)***

### **Understanding by Design: An Introduction**

This 7 lesson course introduces teachers in all grades and subjects to ASCD's Understanding by Design (UbD) program for curriculum, instruction, and assessment. This course offers insights into the research, learning theory, and design elements of UbD, and shows how educators can improve student achievement by teaching for understanding. Participants will explore curriculum design, assessment tasks, and instructional strategies that promote student understanding in the context of standards and high-stakes tests.

***Cost: \$89.95***

### **Understanding by Design Library by ASCD**

Beginning with the end in mind has become something of a catch-phrase for educators today. These three courses introduce educators to the theory that inspired that phrase. In completing these courses, educators will explore the rationale for looking at desired outcomes when designing lessons, consider how essential questions contribute to genuine understanding, and learn about the three states of the backward design process.

***Cost: \$269.85***

### **Understanding by Design: The Backward Design Process**

This 6 lesson course is the third in a series designed to help practitioners understand and apply various aspects of Understanding by Design (UbD). It begins with an overview of the principles of unit design presented in the UbD framework. During the course, the learner will develop a unit based upon content standards, create appropriate assessments, and design instructional activities that ensure all students will be able to demonstrate genuine understanding. By the end of the course, the learner will be able to



describe, explain, and apply the design principles and strategies associated with the UbD framework. This course is appropriate for individuals, school-based study groups, individual trainers, staff developers, instructional leaders, and administrators who have a role in bringing coherence to their school-based curriculum and assessment process.

**Cost: \$89.95**

#### **Understanding by Design: The Six Facets of Understanding**

This 7 lesson course is the second in a series designed to help practitioners understand and apply various aspects of Understanding by Design. It explores what Grant Wiggins and Jay McTighe, the framework authors, call the "six facets of understanding". These six interrelated behaviors provide avenues through which educators can observe and evaluate students' growing understanding of the curriculum they are studying. Beginning with an overview of why teaching for and assessing understanding can be both challenging and critically important, this course then addresses each of the six facets in greater detail. Subsequent lessons explore students' abilities to interpret what they learn, to apply it in new and unpredictable situations, to analyze different perspectives, to express empathy, and to exhibit self-knowledge. Each lesson emphasizes the relationship of the six facets to the backward-design process, including how the facets can be used to identify desired results and to improve assessment tasks and activities.

**Cost: \$89.95**

#### **What Works in Schools: An Introduction**

This 7 lesson course will introduce you to the research conclusions presented by Robert J. Marzano in his best-selling ASCD publication *What Works in Schools: Translating Research into Action*. Based upon his analysis of 35 years of educational research, Marzano presents five school-based factors, three teacher-based factors, and three student-based factors that can make a major difference in student achievement and organizational performance. By the end of this course, the participant will develop a complete professional portfolio about these important ideas through interactive exercises, reflection activities, audio-visual excerpts, and readings from the work of both Marzano and other experts in educational reform.

**Cost: \$89.95**



## Atomic Learning

### Atomic Learning Resource Library

The Atomic Learning Resource Library provides software training using a unique, just-in-time approach. Our library of thousands of short tutorials on dozens of applications are focused on answering the common questions teachers, students and anyone else may have when learning software. We like to call them "atoms of learning" and they are easy to access whenever and where ever you need them. A subscription to Atomic Learning provides you access to all of the tutorials and other valuable educational resources.

*Cost: Free (Trial period only)*



## Coastal Training Technologies

### **Bloodborne Pathogens for Schools: Real, Real Life**

The latest addition to Coastal's award-winning Real, Real-Life® series, this video discusses the dangers of bloodborne pathogens, using humor and real-life situations.

Topic include:

- The 3 A's: Awareness, Attitude, Action
- HBV, HCV and HIV
- Transmission and engineering controls
- Housekeeping and safe work practices
- Exposure Control Plan

***Cost: Free***

### **CPR/AED for Schools: The Chain of Survival**

Sudden cardiac arrest can strike anyone, anywhere, at any time. Train your faculty and staff on the four steps of the cardiac chain of survival – all of which must take place quickly to ensure survival. This program explains each step in detail and discusses how you can use your hands, lungs and brain to be part of the survival chain at your school or facility.

Steps include:

- Early access to care
- Early cardiopulmonary resuscitation or CPR
- Early defibrillation or electrical shock
- Early advanced cardiac life support

***Cost: Free***

### **Hazard Communication for Schools: The Right to Know**

Paint or paint solvents in art...formaldehyde and other chemicals in science...chemicals used to develop and process film in photography...cleaning supplies used by maintenance staff and custodians...teach your faculty and staff to work safely around common chemicals frequently mistaken as harmless with Coastal's new video release, Hazard Communication For Schools: The Right To Know.

Topics include:

- Training requirements of OSHA's Hazard Communication Standard (1910.1200)
- Identifying potential hazards
- Physical hazards
- Health hazards
- Warning labels
- Material Safety Data Sheets (MSDSs)
- Storage
- Disposal

***Cost: Free***



**Playground Safety: Supervising our Children**

Every year, approximately 200,000 children are injured due to playground hazards, and more than 40 percent of all playground injuries happen due to a lack of appropriate supervision. This program is designed to make you aware of potential playground dangers and understand good supervision techniques.

Topics include:

- Identifying hazards
- Supervising children
- First aid

***Cost: Free***

**Student Confidentiality: The FERPA/HIPAA Facts**

Student records are confidential documents protected by the federal government. Any violation can be costly for both the school system and for the student involved.

Topics include:

- FERPA – Family Educational Rights and Privacy Act
- HIPAA – Health Insurance Portability and Privacy Act
- Strictly confidential information
- Restricted access to records

***Cost: Free***



## Comma Project

### **The Complete Computer Guide**

The Complete Computer Guide is a new, innovative way to learning technology. - Materials are comprehensive, colorful, entertaining, and easy to use. -Learning methodology that is based on years of research and development, which has shown that rapid acquisition of computer learning is dependent upon three factors: observation, orientation, and notation -Excellent for Professional development o Each module can be completed in 30 minutes or less o The Guide can be deployed on CD or through eLearning websites -Great for secondary education: less text, more samples, multiple ways to find the answer -The only product that links software, hardware and tasks in a real-world context.

***Cost: \$55.95***

### **The Complete Guide to Microsoft Excel**

Spreadsheets were the first "killer app," the real compelling reason to get a computer. This Guide offers a comprehensive computer manual for learning beginning through expert Microsoft Excel. The instructions and examples offer professional skills required for a well-trained workforce.

***Cost: \$27.95***

### **The Complete Guide to Microsoft Outlook**

Outlook offers email, scheduling and tasks—all in one application. It is also a method for keeping my commitments and tracking my promises. These exercises demonstrate how to use email and program the Inbox Rules. The Calendar is used to create appointments and schedule meetings with your Contacts. In Advanced Outlook, there a examples of how to respond on behalf of someone else, use multiple Calendars and Contact folders, as well as backup your Outlook files.

***Cost: \$27.95***

### **The Complete Guide to Microsoft PowerPoint**

The Complete Guide to PowerPoint introduces you to the most creative, and the most fun product in the Microsoft Office Suite: PowerPoint. This presentation software is an excellent communication tool.

***Cost: \$27.95***

### **The Complete Guide to Microsoft Word**

A new and innovative method of learning Microsoft Word. This Guide offer beginning through expert instructions and samples. The course emphasizes productivity, efficiency, and integration with Microsoft Excel.

***Cost: \$27.95***



### **The Internet**

Everybody is talking about the Internet. Make a million on the Internet with eTrade. Let me email some pictures of my grandchildren. Well, it is exciting, isn't it? The Internet as we know it—the World Wide Web—was developed at the CERN particle physics laboratory in Geneva, Switzerland in 1989. In January 1993, 50 Web servers were online. 1993 was also the year that the Macintosh got its first browser. On the Windows side the first alpha version of the Mosaic browser was tested. In 1995 only 8.4 million adults used the Internet in the United States. Now, that figure is well over 200 million. No other invention—not the car, the radio, or the television has swept the market as quickly. It is, indeed, a revolution.

***Cost: Free***



## Educational Testing Service Pathwise

*These courses are not currently available, but will be available in September 2005.  
Course costs have not yet been established.*

### **Introduction to Coaching 101 for Mentors of Beginning Teachers**

An accomplished coach uses a set of specialized skills to mediate another person's thinking. This course provides educators with proven ways to develop and hone the coaching skills needed to assist other educators. Utilizing research-based readings, discussions, and video clips, participants will learn and apply new skills and approaches to coaching others. This course relies on the discovery approach to learning, one in which participants engage in a collaborative exploration of the skills and strategies presented, including opportunities to practice skills and to reflect on the outcomes of these experiences. The course is designed for mentors of beginning students and supervisors of pre-service education students.

### **Introduction to Coaching 102 for School Leaders**

An accomplished coach uses a set of specialized skills to mediate another person's thinking. This course provides educators with proven ways to develop and hone the coaching skills needed to assist other educators. Utilizing research-based readings, discussions, and video clips, participants will learn and apply new skills and approaches to coaching others. This course relies on the discovery approach to learning, one in which participants engage in a collaborative exploration of the skills and strategies presented, including opportunities to practice skills and to reflect on the outcomes of these experiences. The course is designed for school leaders and other administrators who mentor or coach teachers or pre-service education majors.

### **Introduction to Coaching 103 for Peer Assistance Teams**

An accomplished coach uses a set of specialized skills to mediate another person's thinking. This course provides educators with proven ways to develop and hone the coaching skills needed to assist other educators. Utilizing research-based readings, discussions, and video clips, participants will learn and apply new skills and approaches to coaching others. This course relies on the discovery approach to learning, one in which participants engage in a collaborative exploration of the skills and strategies presented, including opportunities to practice skills and to reflect on the outcomes of these experiences. The course is designed for an educator responsible for coaching teachers who have identified areas for improvement.

### **Introduction to Coaching 104 for Collaborative Coaches**

An accomplished coach uses a set of specialized skills to mediate another person's thinking. This course provides educators with proven ways to develop and hone the coaching skills needed to assist other educators. Utilizing research-based readings, discussions, and video clips, participants will learn and apply new skills and approaches to coaching others. This course relies on the discovery approach to learning, one in which participants engage in a collaborative exploration of the skills and strategies presented, including opportunities to practice skills and to reflect on the outcomes of these experiences. The course is designed for an educator responsible for coaching colleagues as they discuss their practice as part of a formal or informal professional development plan.



### **Introduction to Coaching 105 for Reading Coaches**

An accomplished coach uses a set of specialized skills to mediate another person's thinking. This course provides educators with proven ways to develop and hone the coaching skills needed to assist other educators. Utilizing research-based readings, discussions, and video clips, participants will learn and apply new skills and approaches to coaching others. This course relies on the discovery approach to learning, one in which participants engage in a collaborative exploration of the skills and strategies presented, including opportunities to practice skills and to reflect on the outcomes of these experiences. The course is designed for a reading coach, reading specialist, mentor, or language arts supervisor that coaches beginning and experienced teachers in the processes and practices of reading.

### **Fundamentals of Classroom Assessment 101 for Educators of Elementary Students**

This course provides an introduction to the fundamental issues of classroom assessment. Participants will learn to use a variety of assessments as tools for planning and adjusting instruction, and as evidence of student achievement. Teachers, prospective teachers, and other education professionals who want to know more about how to evaluate and document student achievement in the classroom will find this introductory course valuable. Participants will have access to many types of questions, actual student responses, and scoring rubrics. An electronic journal provides teachers with a tool for recording their assessment goals. The course is designed for a teacher, administrator, or school leader who serves elementary students in grades K-4 and wants to become a better consumer of classroom assessments. Or for a professor who prepares or supervises prospective teachers of grade K-4 students and wants to provide students with practical strategies for assembling effective assessments.

### **Fundamentals of Classroom Assessment 102 for Educators of Upper Elementary/Middle School Students**

This course provides an introduction to the fundamental issues of classroom assessment. Participants will learn to use a variety of assessments as tools for planning and adjusting instruction, and as evidence of student achievement. Teachers, prospective teachers, and other education professionals who want to know more about how to evaluate and document student achievement in the classroom will find this introductory course valuable. Participants will have access to many types of questions, actual student responses, and scoring rubrics. An electronic journal provides teachers with a tool for recording their assessment goals. The course is designed for a teacher, administrator, or school leader who serves middle school students, grades 5-8, and wants to become a better consumer of classroom assessments. Or professor who prepares or supervises prospective teachers of grade 5-8 students and wants to provide students with practical strategies for assembling effective assessments.

### **Fundamentals of Classroom Assessment 103 for Educators of Secondary Students**

This course provides an introduction to the fundamental issues of classroom assessment. Participants will learn to use a variety of assessments as tools for planning and adjusting instruction, and as evidence of student achievement. Teachers, prospective teachers, and other education professionals who want to know more about how to evaluate and document student achievement in the classroom will find this introductory course valuable. Participants will have access to many types of questions, actual student responses, and scoring rubrics. An electronic journal provides teachers with a tool for recording their assessment goals. The course is designed for a teacher, administrator, or school leader who serves high school students, grades 9-12, and wants to become a



better consumer of classroom assessments. Or professor who prepares or supervises prospective teachers of grade 9-12 students and wants to provide students with practical strategies for assembling effective assessments.

### **Communicating with Families**

Developing skills and a knowledge base that allow educators to communicate effectively with parents is an important part of the teaching practice. Research studies have demonstrated that effective parental involvement has numerous benefits including enhanced student achievement, higher grades and test scores, improved student attendance, and improved self-concept and emotional development to name a few. This minicourse will introduce the basic concepts and techniques of communicating with families as well as barriers to doing so. Participants will prepare and implement an action plan and reflect on what was learned. The goal of this minicourse is to help refine and further develop communication with families as a way of enhancing student learning, student attitudes, and student achievement. *The Communicating with Families* minicourse workbook is a requirement of the course, and incorporates online interactions, discussions and supplemental content with offline workbook readings and assignments.

### **Demonstrating Knowledge of Students**

This minicourse is designed to help teachers develop deeper, more substantive knowledge of their students, and to use that knowledge to plan instruction that supports their students' varied learning approaches and invites their students' engagement. The guiding focus of the minicourse is the need to take a systematic approach to developing, interpreting, and applying knowledge of students. Online activities - which are integrated with content about investigative tools and instructional strategies - lead teachers in a brief rehearsal of a five-step process they can use to increase and apply their knowledge of specific students throughout the school year. During the minicourse, teachers identify two students, draft goals for the students' learning, and set out to learn more about these students as individuals and learners. After using three investigative tools to acquire needed information, teachers modify a lesson plan based on their new knowledge of the students, with a goal of helping their students achieve the learning goals they set for them.

### **Designing Coherent Instruction**

While teaching practices vary from pre-kindergarten to adult education, the art and science of designing instruction is relevant to all teachers. This online minicourse focuses on the thoughtful design of lessons and units that relate learning activities, instructional materials and resources, and student groupings to learning goals and the needs of students. The primary focus of the minicourse is coherence. Online activities are integrated with content about instructional design to help teachers plan learning activities, materials, methods, and instructional groupings appropriate to their particular learning goals. These online activities foster teachers' skills in fostering students' critical thinking and deep understanding of important learning.

### **Engaging Students in Learning**

This minicourse introduces participants to active learning strategies and tools that can help them to increase student engagement in learning. The minicourse will guide the participants in using new tools and strategies that support active learning, and then reflect on what they and their students learn from the activity. In addition, the participants will discuss ideas for active learning experiences with other class members, to concentrate on strengthening the challenge and focus of these activities. The main



goal of this minicourse is to help teachers increase student engagement and enhance student thinking and learning by refining their use of active learning strategies and tools. There are two keys to achieving the type of engagement discussed in this minicourse: purposefulness – linking intended learning and activities to engage students; and intellectual challenge – shifting from a busy (hands-on) to a mentally involved (minds-on) class climate.

### **Growing & Developing Professionally**

This minicourse introduces basic concepts and activities associated with growing and developing as a teacher. Participants will have opportunities to explore some of the activities in-depth and determine the ones most appropriate for their professional growth plan. The goal of this minicourse is to help increase expertise in content knowledge, teaching strategies, teaching dispositions, and leadership. Designed for both beginning and experienced teachers.

### **Managing Student Behavior**

This minicourse is designed to help teachers (1) identify management challenges they face in a particular class, (2) analyze the dynamics of student behavior in that class, and (3) use these analyses to develop a plan for enhancing the learning of students in the class by more effectively managing student behavior. The minicourse advocates a proactive approach to establishing expectations for appropriate student behavior, monitoring student behavior, and responding appropriately, effectively, and consistently to student misbehavior. Online activities - which are integrated with content about understanding and managing student behavior - lead teachers in analyzing the dynamics of a particular class. Early in the minicourse, teachers draft a goal for their class, and later they develop a behavior management plan to help students achieve that goal. After selecting strategies that target their unique management challenges, teachers implement their plans across two to three days of teaching.

### **Questioning to Enhance Student Learning**

This minicourse will introduce basic concepts and techniques associated with using questioning and discussion in the classroom. Participants will prepare and implement a question-based lesson and reflect on what was learned. The goal of this minicourse is to help refine the use of questioning as an instructional strategy to enhance student engagement, student thinking, and student learning.





## International Society for Technology in Education

*These resources are currently only available to ISTE members.*

[American Association of School Administrators](#)

[ARTSEEDGE](#)

[Association of School Business Officials International](#)

[Backflip](#)

[Concerns-Based Adoption Model, Educators' Stages of Concern About Change](#)

[Consortium for School Networking](#)

[Consortium for School Networking](#)

[Copyright Issues](#)

[Cyber Security for the Digital District](#)

[DSITement](#)

[Engaging Learning Environments](#)

[enGauge](#)

[Filamentality](#)

[George Lucas Education Foundation-Professional Development Modules](#)

[Greece Athena Media Center](#)

[Intel Innovation in Education](#)

[Leadership and Vision Activity 1 - Getting Started](#)

[Leadership and Vision Activity 2 - Articulating Your Personal Vision](#)

[Leadership and Vision Activity 3- Organizing Your Technology Planning Committee](#)

[Leadership and Vision Activity 4A - Independent Plan Review and Consolidation](#)

[Leadership and Vision Activity 4b - Plan Commonalities and Difference](#)

[Leadership and Vision Activity 5 - School and District Support for Risk-Taking](#)

[Leadership and Vision Activity 6 - Understanding Change and Technology Implementation](#)

[Leadership and Vision Activity 7 - Data Library Master List](#)

[Leadership and Vision Activity 8 - Finding Sources for Research on Technology-Based Instruction](#)

[Leadership and Vision Activity 9 - Advocacy and Membership in Professional Organizations](#)

[Learning and Teaching Activity 1 - Getting Started](#)

[Learning and Teaching Activity 2 - Defining Technology Integration](#)



[Learning and Teaching Activity 3 - Current Use of Technology](#)

[Learning and Teaching Activity 4 - Walkthrough Observations of Classroom Technology Use](#)

[Learning and Teaching Activity 5 - Collaborative Learning and Teaching](#)

[Learning and Teaching Activity 6a Meeting the Needs of Diverse Learners](#)

[Learning and Teaching Activity 6b Meeting the Needs of Diverse Learners](#)

[Learning and Teaching Activity 7a - Supporting Higher-Level Thinking and Problem Solving Skills](#)

[Learning Resources - Copyright Issues](#)

[National Association of Elementary School Principals](#)

[National Association of Secondary School Principals](#)

[NCRTEC Planning and Evaluation](#)

[NCRTEC Professional Development](#)

[NETS-A Standard I Action Plan](#)

[Ongoing Professional Development](#)

[Online Staff Development - Lessons Learned](#)

[PBS TeacherLine | PBS](#)

[PBS TeacherSource - Copyright](#)

[Professional Development Modules](#)

[Professional Resources for Administrators](#)

[Promising Practices in Technology](#)

[ReadWriteThink](#)

[Safeguarding the Wired School House](#)

[SEIR\\*TEC - Planning into Practice](#)

[SEIR\\*TEC- Technology Planning](#)

[Stanford Copyright & Fair Use Center](#)

[SupportNET Online: Copyright and Fair Use](#)

[taking TCO to the classroom](#)

[techLEARNING.com | Technology & Learning - The Resource for Education Technology Leaders](#)

[Technology Planning Questions](#)

[The Concerns-Based Adoption Model \(CBAM\), A Model for Change in Individuals](#)

[The Teacher Tap](#)

[TICAL - Technology Information Center for Administrative Leadership](#)

[TICAL - Technology Information Center for Administrative Leadership](#)

[TICAL - Technology Information Center for Administrative Leadership](#)



[ToolBelt Tutorial](#)

[Traditions of Change Research](#)

[TSSA \(Technology Standards for School Administrators\)](#)

[Turning the Tables](#)

[www4teachers | Professional Development | Acceptable Use Policies](#)  
[Xpeditions @ nationalgeographic.com](#)

Note: ISTE content offerings are currently only available to the ISTE Institute members.



## Michigan Department of Education

### **Differentiating Instruction through Technology**

More students with disabilities now receive the majority of their education in the general education class than at any other time in history. Yet, as a teacher, you are expected to help ALL students master challenging curricular content and succeed on statewide tests of academic competence. How is this possible? How can a class of diverse students be held to the same standards, or to a similar set of standards, as required by law?

Assistive technology is one tool that is available to teachers to help them meet the needs of diverse learners in the classroom. Federal laws define assistive technology very broadly, as any piece of equipment that is used to increase, maintain, or improve the functional capabilities of people with disabilities. The definition covers a broad range of applications—from pencil grips to communication boards to instructional software.

In this module, we focus on assistive technology applications that can help students with high-incidence disabilities, such as learning disabilities and mild emotional impairments, succeed in the general education classroom.

***Cost: Free***

### **Inclusive Instruction**

Every student is entitled to an equal opportunity to attend school and learn from teachers' with high expectations of each student. One of the your most important roles as an educator is to create a classroom environment in which every student, regardless of ability level, is able to achieve his or her best. Inclusion classrooms bring together students of all levels of ability, from students with learning disabilities to high achieving students. The melding of general education classrooms and special education classrooms creates unique challenges for teachers, but if the mixing of these classrooms is done correctly, all students will learn and achieve more than they would have if they had remained in separate classrooms. This module provides teachers with strategies for working with students of varying ability levels in the general classroom. It strives to help teachers think about ways to tailor their instructional style to meet the needs of all students.

***Cost: Free***

### **Developing Literacy in Early Childhood**

This module is based on research in early childhood, child development, language and early literacy. It focuses on the essentials of quality practice that are well-suited to young children, age-appropriate, effective, and motivational for preparing them for school. These essentials include: storybook reading, writing, word sense, small group learning, and literacy and play.

***Cost: Free***



### **Building Student Comprehension**

This module provides an overview of research-based information on comprehension instruction. The first section relates to *Comprehension Strategies*, including what good readers do and how to teach students to do those things. The second section concerns *Discussion* as an important tool to build comprehension. The third section focuses on *Comprehension Difficulties*, including their causes, strategies for preventing them, and strategies for addressing them when they occur. Each section includes slides presenting information on the topic, video clips of classroom teachers, questions to prompt analysis of the video clips, and activities involving applying the information to current practice. There are also several articles/chapters for further professional reading, and websites with additional resources. This module is intended to raise awareness of the need for effective comprehension instruction, to build research-based knowledge about effective comprehension instruction, and to help participants improve comprehension instruction in their classrooms.

***Cost: Free***

### **Developing Curriculum**

This module will provide new teachers with an in-depth understanding and hands on practice with the best research-based approach to developing curriculum. Teachers will learn both how to use curriculum standards and how to develop curriculum that reflects the four *Michigan Teaching and Learning Standards*. These are higher order thinking; deep knowledge-lessons that address central ideas of a topic with enough depth to explore connections and relationships to other ideas and subjects; substantive conversation about subject matter in a way that builds an improved and shared understanding; and connections between new knowledge and public problems or personal experiences.

The module includes three sub-sections: Deciding What to Teach, Finding and Evaluating Resources, and Developing Assessments, Lessons, Centers, Activities and Projects. Each section includes reflection and activities based on an exemplary teachers' case example, reflective curriculum development exercises, and a review of what research has to say about various aspects of the curriculum development processes.

***Cost: Free***

### **Developing Home, School, and Community Partnerships**

Parent involvement is a top priority in national debates and in debates at the local, state, and regional levels. The importance of parent involvement is acknowledged in the vision and mission statements of school charters. More parents are involved in their children's schools at the elementary than at the middle or high school level. In part, this result occurs because teenagers often discourage their parents from coming to school. Parents of middle and high students often are unsure how to help their children, many middle and high schools do not make parent involvement a high priority. But research shows a link between involvement in middle and high school and future student success.

This module helps participants learn about *parent stories* as an important strategy for teachers to "get to know families," *demographic profiles* as a strategy for teachers to collect a variety of data around students' literacy development from both the student and family, and *scope and sequence of family involvement* as a strategy for teachers to integrate family involvement within the curriculum related to student achievement.

***Cost: Free***



### **Promoting Student Achievement in Culturally and Linguistically Diverse Classrooms**

By anyone's definition, America's classrooms are becoming increasingly diverse. According to the National Center for Educational Statistics, nearly 40% of students in U.S. schools are non-white and that number is only expected to rise. Michigan is no exception with one in four students being non-white.\* Reports produced by the Educational Testing Service, the College Board, and the National Center for Educational Statistics show that non- White students and English Language Learners trail their counterparts in most measures of academic performance such as test scores, grade point averages, high school graduation rates, college entrance rates, and college graduation rates. While this diversity offers tremendous opportunities, it also poses tremendous challenges for teachers who are charged with helping students to develop the skills they need to become competent and engaged citizens and professionals. This module draws from the most recent scholarship to assist teachers in creating learning communities that acknowledge and affirm students' cultural and linguistic diversity while also meeting rigorous state and national standards.

\* Source: National Center for Educational Statistics. Available online at [www.nces.gov](http://www.nces.gov)

Note: MDE content offerings are currently only available to the State of Michigan.

***Cost: Free***



## SkillSoft

### **Microsoft Office 2000 - Beginner**

This course introduces the learner to basic concepts and features of Word 2000, Excel 2000, PowerPoint 2000, Outlook 2000, Project 2000, FrontPage 2000, and Access 2000.

*Cost: Free*

### **Microsoft Office 2000 - Intermediate**

This course introduces the learner to intermediate concepts and features of Word 2000, Excel 2000, Project 2000, and Access 2000.

*Cost: Free*

### **Microsoft Office 2000 - Advanced**

This course introduces the learner to advanced concepts and features of Word 2000, Excel 2000, PowerPoint 2000, Outlook 2000, Project 2000, FrontPage 2000, and Access 2000.

*Cost: Free*

### **Microsoft Office XP**

This course provides an overview of Microsoft Office XP including basic and advanced features.

*Cost: Free*

### **Microsoft Windows XP**

This course provides an overview of the Microsoft Windows XP OS features and functionality.

*Cost: Free*





## Thomson Gale

### **A Secondary Teacher Instruction Library by Thomson Gale**

This library of 4 courses covers a range of topics for the secondary teacher including:

Differentiating Instruction to Meet the Needs of All Students

Impacting Teaching and Learning with Brain Research with David Sousa

Visual Tools: From Graphic Organizers to Thinking Maps

What Works in Classroom Instruction: Research Based Strategies

***Cost: \$270.00***

### **An Elementary Teacher Instruction Library by Thomson Gale**

This library of 4 courses covers a range of topics for the elementary teacher including:

Differentiating Instruction to Meet the Needs of All Students

High Quality Teaching for Classroom Success

Visual Tools: From Graphic Organizers to Thinking Maps

What Works in Classroom Instruction: Research Based Strategies

***Cost: \$270.00***

### **Data-Driven Decisions to Improve Results presented by Mike Schmoker**

Presented by Mike Schmoker. In today's education climate, educators must access and use data which can be easily acquired and effectively used if they:

Understand the importance of the interdependence of teamwork, goals, and data for improved learning.

Explore effective methods for using assessment data to drive instructional decisions.

Understand the effective use of data and accountability to improve student achievement.

Consider the need for teamwork and collaboration in today's schools.

Develop strategies to create meaningful student achievement goals.

See examples of measurable goals and how they are used.

***Cost: \$67.50***



**Dealing with Teachers who are Resistant to Change and Reluctant to Improve presented by Todd Whitaker**

Presented by Todd Whitaker. Every principal will find solutions to his/her greatest challenges by:

Identifying the types of teachers that comprise a school staff.

Encouraging improvement by being direct, respectful, and honest in pointing out shortcomings.

Observing how faculty meetings can generate positive results and take the focus off difficult teachers.

Seeing how principals unwittingly empower negative elements.

Observing non-confrontational ways to deal with challenging and ineffective teachers.

Understanding why principals should be in classrooms daily.

Seeing numerous examples of positive change in schools.

***Cost: \$67.50***

**Developing Effective Mentors with Laura Lipton & Bruce Wellman**

With Laura Lipton & Bruce Wellman. Teacher mentors will gain confidence and expertise as they come to:

Understand the roles, responsibilities, and intentions of the mentor/growth agent.

Identify the functions of a learning-focused relationship offering support, creating challenge, and facilitating a professional vision.

Explore the stances for navigating across a continuum of interaction, including coaching, consulting, and collaborating.

Apply verbal and non-verbal tools for establishing and sustaining learning-focused relationships.

Investigate templates for producing effective planning, reflecting, and problem-solving.

Connect the needs of beginning teachers with the hallmarks of teaching experience.

Observe methods for moving novices towards increasing capacity and long-time commitment to the profession.

***Cost: \$67.50***

**Differentiating Instruction to Meet the Needs of All Students with Gayle Gregory and Carolyn Chapman - Elementary Edition**

Presented by Gayle Gregory & Carolyn Chapman. As teachers learn about the power of differentiation and how it will increase achievement for all students, they will:

Understand the necessary elements for planning such as Climate, Knowing the Learner, Assessment, Adjustable Assignments, Instructional Strategies, and Curriculum Approaches.

Observe classrooms with a primary focus on Knowing the Learner.

Understand the importance of continuous assessment before, during, and after



instruction.

Explore how to adjust learning tasks for different types of students.

Learn how providing choices will motivate and assist all learners.

Observe how assorted curriculum approaches such as centers, projects, and contracts can widen the options available for students.

***Cost: \$67.50***

**Differentiating Instruction to Meet the Needs of All Students with Gayle Gregory and Carolyn Chapman - Secondary Edition**

Presented by Gayle Gregory & Carolyn Chapman. As teachers learn about the power of differentiation and how it will increase achievement for all students, they will:

Understand the necessary elements for planning such as Climate, Knowing the Learner, Assessment, Adjustable Assignments, Instructional Strategies, and Curriculum Approaches.

Observe classrooms with a primary focus on Knowing the Learner.

Understand the importance of continuous assessment before, during, and after instruction.

Explore how to adjust learning tasks for different types of students.

Learn how providing choices will motivate and assist all learners.

Observe how assorted curriculum approaches such as centers, projects, and contracts can widen the options available for students.

***Cost: \$67.50***

**Elementary Principals as Leaders of Learning with Rebecca Burnette DuFour**

Featuring Rebecca Burnette DuFour. Elementary administrators will learn how to:

Build a Professional Learning Community within your school.

Enable classroom success by focusing on Learning, Collaboration, and Results.

Establish your school's learning cornerstones of Mission, Vision, Values, and Goals.

Explore how your actions as principal impact student achievement.

Create a learning community by focusing on culture and collaboration.

Achieve overall school success by building a culture of learning, teaching, and excellence across the elementary environment.

Implement the Professional Learning Community in order to maximize teacher and student achievement.

Facilitate teacher improvement to guarantee results.

***Cost: \$67.50***



### **High Quality Teaching for Classroom Success - Elementary Edition**

High-quality teaching maintains a balance of quality between pedagogy and content, essential for student success. As teachers view exemplary teachers they will:

Explore the importance of a commitment to students and their learning.

Examine why it is critical for elementary teachers to have a broad knowledge of content in all subjects they teach.

View students who are actively engaged in the learning, ensuring retention.

Realize that high-quality educators are skilled in both the art and science of teaching.

Recognize how successful classroom management requires skill.

See how adjustments are made to meet student needs.

Discover the significance of self-reflection.

Understand the value of active involvement in the learning community.

***Cost: \$67.50***

### **Impacting Teaching and Learning with Brain Research with David Sousa - Elementary Edition**

Presented by David Sousa. This remarkable program will teach educators how to:

Apply brain research to affect how students learn.

See how the rational system initiates learning and the emotional system triggers the storage of information.

Discover the value of humor in the classroom.

Understand how physiological cycles affect learning.

Explore how learning pathways are set with repetition, practice time, and "down time."

Consider the importance of guided and individual practice.

Examine the cycles within a learning session.

Realize the impact of environmental factors on the brain of today's youth.

Learn how the brain takes in and stores information.

Observe classrooms effectively using brain research.

***Cost: \$67.50***



### **Impacting Teaching and Learning with Brain Research with David Sousa - Secondary Edition**

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Realize the impact of environmental factors on the brain of today's youth.

Learn how the brain takes in and stores information.

Observe classrooms effectively using brain research.

***Cost: \$67.50***

### **Leadership in the Age of Standards and High Stakes: Building Professional Learning Communities with Richard DuFour**

Featuring Richard P. DuFour. The pressure upon today's leaders is intense. Richard DuFour has a long, proven record of leading schools to very high levels of achievement. In this remarkable program, educators will:

Learn that people improvement is the key to school improvement.

Understand how educators can be empowered to make sustained change through Professional Learning Communities.

Examine the Four Pillars that guide Professional Learning Communities:

- Mission, Vision, Values/Commitments, & Goals

- Witness the impressive results of Professional Learning Communities.

Learn how the Pyramid of Interventions at Adlai E. Stevenson High School in Lincolnshire, Illinois, draws every student into success.

***Cost: \$67.50***

### **New Teacher Training: Classroom Management to Win Students Over-Not Over Them with Carol Cummings - Elementary Edition**

Presented by Carol Cummings. This program is designed for new teachers but all teachers will benefit as they:

Examine classroom management strategies for beginning teachers that will help launch rewarding careers.

Learn ways to bond and connect students to each other and to the teacher.

Observe procedures and routines that are rehearse to promote self-managing students.



Understand why it is important to clearly define work requirements in holding students accountable.

Realize how proactive classroom management is anticipating problems and minimizing their impact on learning.

Understand how to create self-managers among students.

Consider why rights, respect, and responsibility are more productive than a list of rules.

Learn how to use "The Law of Least Intervention" to deter misbehavior.

***Cost: \$67.50***

**New Teacher Training: Classroom Management to Win Students Over-Not Over Them with Carol Cummings - Secondary Edition**

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Understand how to create self-managers among students.

Consider why rights, respect, and responsibility are more productive than a list of rules.

Learn how to use "The Law of Least Intervention" to deter misbehavior.

***Cost: \$67.50***

**Secondary Principals as Leaders of Learning with Irving C. Jones**

Featuring Irving C. Jones. Every principal is unique in how they lead their school. However, those who succeed, build their foundation with a contrast focus on student and teacher learning. Principals will find numerous benefits as they:

Discover how to lead staff and students by focusing on the actual learning that occurs in the school.

Learn how to effectively supervise instruction by assuring that teachers teach what students are expected to learn.

Engage in continuous involvement in the instructional process.

Explore in depth the role of the principal, and how actions impact student achievement.

Define leadership to include: mission and vision, promoting change, risk taking, listening, building confidence, caring about faculty, and having high expectations.



Observe the value of walkthroughs.

Create a culture of learning, teaching, and the achievement of excellence in all aspects of the secondary environment.

Realize the importance of creating collaboration to foster learning.

Establish student success as the overriding priority within the school.

***Cost: \$67.50***

**Visual Tools: From Graphic Organizers to Thinking Maps featuring David Hyerle - Elementary Edition**

Featuring David Hyerle. Visual tools or graphic organizers allow students to organize information in ways that bring clarity to their learning. This program will help your staff:

Learn how visual tools provide the patterns the brain seeks to make connections.

Examine the eight Thinking Maps based on thinking processes: Circle Map (Defining in Context), Bubble Map (Describing Attributes), Double Bubble Map (Comparing and Contrasting), Tree Map (Inductive and Deductive Classification), Brace Map (Identifying Parts of Whole), Flow Map (Sequencing), Multi-Flow Map (Cause and Effect), Bridge Map (Seeing Analogies).

Realize the effectiveness of school-wide implementation to provide a common visual language for learning.

Observe classroom examples using Thinking Maps.

Hear from educators who have experienced highly improved results.

***Cost: \$67.50***

**Visual Tools: From Graphic Organizers to Thinking Maps featuring David Hyerle - Secondary Edition**

Featuring David Hyerle. Visual tools or graphic organizers allow students to organize information in ways that bring clarity to their learning. This program will help your staff:

Learn how visual tools provide the patterns the brain seeks to make connections.

Examine the eight Thinking Maps based on thinking processes: Circle Map (Defining in Context), Bubble Map (Describing Attributes), Double Bubble Map (Comparing and Contrasting), Tree Map (Inductive and Deductive Classification), Brace Map (Identifying Parts of Whole), Flow Map (Sequencing), Multi-Flow Map (Cause and Effect), Bridge Map (Seeing Analogies).

Realize the effectiveness of school-wide implementation to provide a common visual language for learning.

Observe classroom examples using Thinking Maps.

Hear from educators who have experienced highly improved results.

***Cost: \$67.50***





**What Works in Classroom Instruction: Research-Based Strategies with Salle Quackenboss of McREL- Elementary Edition**

Presented by Salle Quackenboss of McREL. See achievement increase as teachers learn to apply practical scientifically researched strategies that have shown significant gains in student learning.

Teach students to take notes effectively, identify similarities and differences, and reinforce effort.

Explore the use of graphic organizers, meaningful homework, and reinforcing effort.

Observe the power of setting objectives as well as generating and testing hypotheses.

View highly skilled teachers demonstrating the application of the strategies in their high-achieving classrooms.

***Cost: \$67.50***

**What Works in Classroom Instruction: Research-Based Strategies with Salle Quackenboss of McREL -Secondary Edition**

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View highly skilled teachers demonstrating the application of the strategies in their high-achieving classrooms.

***Cost: \$67.50***



## University of Michigan Flint

*These courses are not currently available, but will be available in September 2005.  
Course costs have not yet been established.*

### Microsoft Excel

Microsoft Excel is a 21-day online course. The topics covered are necessary to help you effectively use Microsoft Excel for your spreadsheet projects. Whether your desire is to successfully integrate Microsoft Excel into your teaching or just to increase your proficiency in using this application, this online course will prepare you to achieve your goal. In this course, you'll learn how to:

- Teach the fundamentals of Microsoft Excel.
- Help students demonstrate their proficiency in Microsoft Excel.
- Give students an in-depth understanding of creating a worksheet and entering data; using formatting tools to enhance the worksheet; creating formulas and using functions to perform calculations on worksheet data; and creating and modifying charts based on worksheet data.
- Learn how to incorporate Microsoft Excel into classroom teaching.

### Computer Fundamentals

Computer Fundamentals is a seven-day online course. This is an introductory course and provides the basics pertaining to using a computer. It includes the knowledge and skills required to identify different types of computers, the components of a personal computer (including internal components such as microprocessors), and how these components work together. The module also includes the knowledge and skills relating to computer storage as it applies to hardware components like floppy and hard disks and performance as it applies to processor speed and memory. In this course, you'll learn how to:

- Identify different types of computers.
- Recognize the internal and external components that make up a computer.
- Understand how information flows or is transferred into or from the computer.
- Identify items that may increase or decrease the computer's performance.
- Understand what software is and how software is created.
- Identify the different types of software programs use in an office.
- Understand the purpose of an operating system.
- Understand graphic user interface programs, and the advantages of using these types of programs.
- Identify some common problems with working with files and folders
- Add or remove a program
- Integrate personal computers into your teaching



### **Key Applications**

Key Applications is a 21-day online course. This is an introductory course and provides the basics pertaining to using MS Word and MS Excel. You will also learn how to use these applications in your classroom activities. In this course, you'll learn how to:

- Create, edit, save, open, close, or switch files in Word or Excel.
- Identify some of the common types of problems that can occur with working with files.
- Identify different methods of accessing help.
- Perform spell check on files in Word or Excel.
- Use AutoFormat in Word or Excel.
- Integrate Word and/or Excel into your teaching.

### **Microsoft Access**

Microsoft Access is a 21-day online course. It is designed to help you learn basic database design and operation. You will also learn how to use a database in your classroom activities. In this course, you'll learn how to:

- Create tables.
- Input data.
- Set field properties.
- Sort and find information.
- Create select queries.
- Design forms and reports.

### **Microsoft FrontPage**

Microsoft FrontPage is a 21-day online course. It is designed to help you learn the basics in creating and publishing web pages. In this course, you'll learn how to:

- Create web pages easily navigating and using the FrontPage interface.
- Format text and lists, use styles and themes and use automatic web components.
- Create hyperlinks to other pages and to outside resources, insert tables and use graphics and images.
- Preview and publish webs.

### **Microsoft PowerPoint**

Microsoft PowerPoint is a 21-day online course. You will learn to create presentations to present vocabulary, present new or key concepts, introduce new lessons, and make reports or presentations. You will learn to insert graphics, clip art, animation, format text, move slides and much more. This course is based on the PowerPoint XP version. In this course, you'll learn how to:

- Create new presentations.
- Change text attributes, set tabs, use word art.
- Work with slides in different views.
- Check for style consistency.



### **Microsoft Publisher**

Microsoft Publisher is a 21-day online course. It will help you learn the basics of using MS Publisher to create simple publications such as flyers, newsletters, calendars, certificates, etc.

- Use the workspace, toolbars and templates effectively.
- Create publications using templates and styles.
- Locate additional resources and templates on the Web.
- Integrate this software into your teaching.

### **Microsoft Word**

Microsoft Word Core Techniques is a 21-day online course. It presents the basic concepts of Word Version 2002. Students learn how to create, save and edit documents; use automatic text features; and print documents, envelopes and labels. Students also learn how to format text, paragraphs and document pages; use find and replace; use proofing tools; and work with templates. Designed to help you learn about the features of Microsoft Word such as creating and editing a document, practicing the move and copy commands, set margins and tabs and experiment with the spell check and grammar tools. Furthermore, you will have the opportunity to learn how to integrate MS Word into your classroom teaching.

- Use Microsoft Word features correctly.
- Practice with automated features to make common tasks easier.
- Format and print professional looking documents.
- Integrate this software into your classroom teaching.

### **School Law-Sexual Harassment**

In this systematic review of legal and organizational policies, participants will examine issues and successful strategies associated with identifying, intervening in and preventing sexual harassment in elementary and secondary schools. In this course, you'll learn how to:

- Apply key principles to real-life scenarios.
- Conduct an informal assessment of your building's or district's approach to combating harassment.
- Identify action steps to enhance the effectiveness of district anti-harassment policies and programs.

### **Child Protection & Schools-Issues for Administration**

The course provides a systematic exploration of the legal and policy issues and best practice strategies associated with child protection. It examines the interplay between schools, the state and the family, and enables school leaders an opportunity to review their role and responsibilities in child protection. Class participants reflect on prevalent or perplexing issues and share best practice strategies.

- Michigan Child Protection Act provisions
- Types, prevalence and warning signs of maltreatment
- Reporting procedures, protections and penalties



- Investigations – CPS, law enforcement & schools
- Components of comprehensive school district approaches to protecting children
- Student safety programs – research and best practices

### **Introduction to Online Teaching**

Introduction to Online Teaching is a seven-day online course that is teacher-facilitated, which is level of student-instructor interaction between a totally self-paced course and one that is instructor-led. It means you can go through the course at your own pace but an instructor is available to help whenever you need it along the way. This course is designed to give you an understanding of developing and teaching an online course. It is a basic level course and it will prepare you to begin to develop an online course or course supplement. In this course, you'll learn how to:

- Understand the pedagogical concepts, trends and mechanics of online teaching and learning.
- Recognize the types of learning tools and resources available online.
- Assess your own abilities and interest in teaching online and using technology.
- Apply the principles learned in this course to begin creating your own course, if you so choose.

### **Using a Digital Camera**

Using a Digital Camera is a seven-day online course. You will learn the basics of using a digital camera. Learn how to capture images, focus, zoom, adjust the resolution/size settings, view images, delete images, and how to upload images to your computer. In this course, you'll learn how to:

- Have a working knowledge of the basic terminology pertaining to digital cameras.
- Understand the basics of computer graphic images.
- Edit images after they have been captured.
- Transfer the images to other forms of media.
- Integrate the use of a digital camera into the classroom.
- Make the right choice when purchasing a digital camera.

### **HyperStudio Basics**

HyperStudio Basics is a seven-day online course. This class will explore educational applications and implications of hypermedia, provide you with an overview of using HyperStudio and an opportunity to develop both your own hypermedia project and a lesson plan incorporating the use of HyperStudio. The course is designed to help you learn how to create a stack, add cards, buttons, navigation, video, and graphics into your presentation. In this course, you'll learn how to:

- Differentiate hypermedia resources from other traditional media resources (e.g. books, film, etc.).
- Develop hypermedia projects including text, video, audio, still pictures, and animations by using HyperStudio®.



- Provide a rationale for the use of hypermedia in educational settings and develop a complete lesson or unit plan that integrates the use of HyperStudio® into your teaching.
- Instruct your students in utilizing and producing HyperStudio projects.

### **Graphics and Digital Imaging Fundamentals**

Graphics and Digital Imaging Fundamentals is a seven-day online course. It is designed to help you learn the basics on acquiring pictures with a digital camera, with a scanner, by screen capture, and from the Internet and learn the basics with regard to file types, file size issues, resolution, layers, and transparency. In this course, you'll learn how to:

- Briefly describe the history of the use of images in curriculum.
- List major roles of images in teaching and learning.
- Compare the attributes of printed and digital images.
- Describe the different techniques of obtaining and creating digital images.
- List ideas for integrating a scanner and a digital camera into curricular activities.
- List and briefly describe some popular image-editing software.
- Do basic image editing.

### **Living Online**

Living Online is a seven-day online course. Learn the basics of the Internet from browsing to searching. Demonstrate your skills with electronic mail and learn important points of online etiquette. The social impact of the Internet is also discussed. In this course, you'll learn how to:

- Understand the concept behind networks and the Internet.
- Use and perform basic e-mail functions.
- Identify Internet resources and search tools.
- Recognize the social impact of the Internet.

### **Introduction to Respondus**

Introduction to Respondus course is a seven-day online course that focuses on the basic use of Respondus a test generation tool, and helps you discover how to integrate online assessments into your classroom. In this course, you'll learn how to:

- Describe the different types of test items.
- Define which test item type is better suited for measuring particular learning objectives.
- List the major differences between computer-assisted and traditional testing.
- Describe and use the drop-down menus and the toolbar of Respondus.
- Describe and use the major program menus of Respondus.
- Create tests/surveys for printed and/or computerized assessment using Respondus.



### **Introduction to WebQuests**

Introduction to WebQuests is a seven-day online course. You will learn the basics involved in developing a WebQuest for your own classroom use. You will have the opportunity to evaluate other WebQuests based on a set list of criteria. In this course, you'll learn how to:

- Encourage inquiry-based learning using the Internet.
- Develop and assess an online curriculum (WebQuest) delivered via the Web.
- Fine-tune Internet searches in order to obtain the most relevant information.
- Evaluate information portrayed on various websites.
- Develop and implement rubrics for evaluating WebQuests.
- Have a solid understanding of the WebQuest design process.

### **Using a Scanner**

Using a Scanner is a seven-day online course. This is an introductory course and provides the basics pertaining to using your scanner. Learn how to scan a document, make annotations and save/export documents. Discover how to use scanned documents in various applications. In this course, you'll learn how to:

- Have a working knowledge of the basic terminology pertaining to scanners.
- Understand the basics of computer graphic images.
- Operate a standard flatbed scanner.
- Edit images after they have been scanned.
- Transfer the images to other forms of media.
- Integrate the use of a scanner into the classroom.
- Make the right choice when purchasing a scanner.

### **Online Research Techniques**

Online Research Techniques is a seven-day online course. This course will help you develop online research skills and gain knowledge on Grolier Online and GaleNet resources. In this course, you'll learn how to:

- Prepare and conduct online research.
- Identify major types of Web-based resources.
- Use different online search features.
- Evaluate information found in online resources.
- Appropriately cite electronic sources.
- Integrate Grolier Online and GaleNet databases into your curriculum.

### **Introduction to Inspiration and Kidspiration**

Introduction to Inspiration and Kidspiration is a seven-day online course. This course introduces you to Inspiration and Kidspiration software used to help students organize and develop their ideas. Educators will learn how to navigate the toolbars and manipulate text within the program. They will also learn how to integrate this program into their classroom. In this course, you'll learn how to:

- Understand the importance of visual learning techniques.



- Have a working knowledge of Kidspiration.
- Have a working knowledge of Inspiration.
- Create hands-on activities using Inspiration and Kidspiration.
- Learn how to integration Inspiration and Kidspiration into your classroom.





## US Department of Education

### **Beginning to Write**

In this session, teachers learn how to progress students from one level of writing to the next. The focus is on the elements of organization, grammar, sentence structure, spelling, basic punctuation, capitalization, and handwriting. As students begin to write longer pieces, effective writing is a process that includes careful planning, drafting, revision, and proofreading before a final copy is published. Models are shared of different types of prewriting activities for narrative, descriptive, and expository pieces; methods are also demonstrated in directed revision, proofreading, and producing a coherent, error-free final draft. Participants will also learn how to analyze student writing in order to adjust instruction in any given genre.

***Cost: Free***

### **Developing Computational Fluency in Addition & Subtraction**

As mathematics teachers, we are responsible for preparing children to meet the challenges of our world by teaching them to think, reason, and solve problems. Unfortunately, in many mathematics classrooms, students are taught to memorize procedures rather than to think and reason mathematically as they struggle to master the basic facts and number operations. In this course, Kathy Ernst will introduce ways in which students develop computational fluency- mastery with understanding. Participants will explore the big ideas underlying addition and subtraction, as well as some of the models, strategies, and contexts that support children's development of these ideas. By engaging in problem solving throughout the workshop, participants will have an opportunity to think more deeply and flexibly about their own strategies of adding and subtracting and to experience the true meaning of computational fluency. The interactive aspects of the course incorporate best practices identified in the research of James W. Stigler and James Hiebert, who did a comparative study of mathematics teaching practices in Japan, Germany, and the United States.

***Cost: Free***

### **Differentiated Instruction**

Not all children are alike. Not all students are alike. Kids come in all shapes and sizes and interests, and they come to the learning environment with different needs, learning profiles, and educational readiness. Differentiated instruction recognizes this, and applies an approach to teaching and learning that allows for multiple learning styles and learning options for taking in information and making sense of different ideas. This session focuses on making the appropriate accommodations/ modifications to a curriculum in order to enable students with disabilities to access the materials in the way they best learn. The model of differentiated instruction requires teachers to be flexible in their approach to teaching, and to adjust the curriculum and presentation of information to the learners rather than expecting students to modify themselves to the curriculum. It means creating multiple paths so that students of different abilities can equally experience the learning process.

***Cost: Free***



### **Early Steps Count: Teaching Arithmetic to Prepare Students for Algebra**

The teaching of elementary mathematics can be sloppy, leading students to mathematical misunderstandings. Sometimes misinformation is implied; for example, during subtraction, "borrowing" implies that a number is not a single entity, since you can't borrow from yourself. Sometimes the misinformation is directly taught; for example, during subtraction, students are taught to always put the big number on top. Some students, particularly those struggling in school, may never recover from learning these misconceptions. Linda Plattner will address the most common math mistakes, their genesis, and alternate approaches to teaching basic elementary concepts. Participants will analyze various methods to teach computation and explore ways to develop the concepts needed to approach algebra. This session will also look at the research of Dr. Lipping Ma, who researched the differences between American teachers and Chinese teachers in terms of preparation, their understanding of mathematics, and their methods of teaching.

*Cost: Free*

### **Examining Student Work: Protocol for Improving Reading Instruction**

When teachers have the opportunity to evaluate student work utilizing standards-based rubrics, they strike at the core of teaching and learning. Teachers report that they develop a richer understanding of standards, and that their confidence in making rubric-based judgments about the proficiency of student work increases. Most significantly, teachers report an increase in their expectations regarding the quality of work students can produce. This course is aimed at boosting teacher confidence with standard-based rubrics. Participants will learn how to evaluate performance-based reading tasks designed to measure strategies required by narrative and nonfiction texts. They will also experience scoring with rubrics, and then engage in a discussion that considers how this process informs research-based reading practices in the classroom.

*Cost: Free*

### **Feedback: A Powerful Tool for Raising Student Achievement in Language Arts**

Think of a time when you received feedback that made a difference in your work or personal life. Was the feedback helpful? In this session, participants will learn how to identify specific, descriptive feedback that can improve learning. Holly Searl will show participants how to use current research to connect specific feedback on formative tasks to increase student achievement. She will also explain the difference between descriptive and evaluative feedback. Using sample tasks from Maryland's State Assessment, participants will practice creating and analyzing descriptive feedback connected to specific learning outcomes. Participants will walk away from this session with a greater understanding of the critical link between recognizing the intent of outcomes, the necessity of aligning formative assessments with the outcomes, and the power of descriptive feedback to improve student achievement.

*Cost: Free*



### **Looking at Vocabulary**

In this course, team members Lynn Figurate and Mike Barney use a direct instructional model to present vocabulary research and effective strategies useful in the elementary classroom. Topics covered include direct and indirect methods of vocabulary instruction. Suggested follow-up activities are provided to deepen participants' knowledge and skills and to guide classroom application.

***Cost: Free***

### **Measurement and Geometry: Building Conceptual Understanding in Young Children**

Measurement misconceptions among children are often difficult for teachers to uncover and understand. Yet if teachers in the early grades provide deliberate types of lessons and experiences for their students, they can avoid many of those misconceptions. According to the National Research Council's report, *Adding It Up*, students need to "mentally structure and revise their construction of space" so they learn when to use particular types of measurement. In this session, Cynthia Stone will provide teachers with a range of hands-on experiences that they can immediately use in the classroom so that students can begin to build conceptual understandings in measurement. These activities will develop four concepts: making comparison between objects by matching; comparing objects with nonstandard units; comparing objects with standard units; and choosing suitable units for specific measurements. The session will also address how teachers will know when students "understand", and what is acceptable evidence of understanding.

***Cost: Free***

### **No Child Left Behind Basics for Teachers and Principals**

This program provides an introduction to the basics of the No Child Left Behind Act of 2001. Passed with overwhelming bipartisan support from Congress, the law was signed by President George W. Bush on January 8, 2002. Clearly, our children are our future, and, as President Bush has expressed, "Too many of our neediest children are being left behind." The presentation addresses the basic premise of the law and the components that have become buzzwords in the educational community. The issues surrounding the Highly Qualified requirements for teachers and the impact of that legislation are discussed during the video session. The presenters provide examples of teaching situations that illustrate the requirement. Other topics presented focus on the HOUSSE requirement for subject area teachers.

***Cost: Free***



### **Patterns to Symbols: Algebra**

The transition from arithmetic to algebra is often difficult. That is why it is imperative that teachers of grades 3-6 have the opportunity to think about and experience algebraic activities appropriate for this level. This presentation will focus on the algebraic concept of generalization by analyzing patterns and helping students to describe and represent the patterns they find. Teachers will have the opportunity to engage in activities involving generalizing patterns with emphasis on how different students might approach the same problem. This process will not only provide exposure to a number of rich activities that can lay the foundation for further algebra study, but it allows teachers to increase their understanding of algebra. Woven throughout will be references to current research, including the work currently underway at TERC, Wisconsin Center for Education Research (WCER), and other research institutions.

***Cost: Free***

### **Phonemic Awareness**

In this course, teachers will learn the difference between phonemes (sounds) and the letters and letter combinations that represent them. Participants will be able to select and instruct a range of phonemic awareness activities using an appropriate progression of phonological skills, such as tracking words in sentences, rhyming words, oral word repetition, syllable counting, onset-rime segmentation and blending, phoneme identification, segmentation, and blending.

***Cost: Free***

### **Reading in the Content Areas: It's Just Different**

Today's classrooms are filled with students who have diverse abilities and needs. In order for all students to become proficient readers and learners, teachers must differentiate their instruction to meet the diversity. This workshop will explore differentiation of process in the various content areas where students struggle to meet the unique demands of reading content-specific text. The instructor will lead teachers through a series of tasks aimed at increasing student interest by building vocabulary and improving comprehension. Participants will develop knowledge about what makes reading in the content areas difficult and some strategies that can support all readers as they read difficult texts.

***Cost: Free***

### **Standards-Based Differentiated Math**

Come and learn how to meet the differentiated needs of your math learners. Begin with a purposeful plan of what you need to teach (standards) and leave with an idea of how to teach it. Jody Guarino and Kellie Brown will equip teachers with strategies and tools to maximize student learning. They will explore the use of assessment tools ranging from anecdotal notes to adopted textbook assessments. By using formal and informal assessments with data analysis, teachers will be able to learn more about their students and their needs, interests, and strategies. Guarino and Brown will demonstrate how items can be analyzed to improve student learning and to guide instruction. The importance of parent communication to achieve individual student goals will also be discussed.

***Cost: Free***



### **Standards-Based Education and Student Report Cards**

The fundamental principle of standards-based education is "begin with the end in mind." Whether we like it or not, the grade is often the end that students and parents focus on. What are the full implications of standards for the student report card, and how do you use your grading practices to improve teaching and learning in your standards-based classroom? Peter Robertson will explore the implications of standards for grading with a series of hands-on exercises. He will discuss practical ways to integrate standards-based instruction with student-involved classroom assessment. He will also explore one strategy for using grading practices to keep the focus on standards-based education in an era of high-stakes testing.

***Cost: Free***

### **Taking the "Dense" Out of Density**

Teachers need a richer experience with content that is focused, connected to applicable mathematics, and appropriately targeted to the developmental level of their students. Since all content cannot be taught in a single session, it is necessary to teach just a piece of rich content, along with a method that can be used to master other content pieces. The short rigorous tasks in this workshop illustrate the interconnectedness of the mathematical and scientific worlds by prompting teachers to collect both quantitative and qualitative data, and to use both to reach a rich understanding about the nature of the physical sciences. Participants will walk away from this session with a clearer understanding of how to approach the NRC standards for science education.

***Cost: Free***

### **Turning Data Into Information**

Educators work with sets of data every day. Teachers look at daily classroom assessment scores to determine whether the class moves on to the next objective or not. Counselors compare local student scores on standardized tests with other districts and with national results. Administrators examine the number of daily absences for students and staff. More informed decisions result from organizing, summarizing, and interpreting the numerical data that confront the people who provide all the services a school district provides. This enterprise - organizing, summarizing, and interpreting numerical data - is an exercise in descriptive statistics. Graphs aid understanding by presenting an overall pattern that one can visually assess. In this course, participants look at a handful of data distributions, focusing on stem-and-leaf plots and dot plots to display and interpret data. The presenter demonstrates how a classroom teacher can quickly examine daily classroom assessment scores to determine whether "any child is being left behind." The strategies are so user-friendly that teachers will learn how to prepare students to examine their own grades.

***Cost: Free***



### **Using Technology to Enhance Algebra Instruction**

In this course, Angela Newing shares a range of free web-based resources that can be used to enhance the teaching and learning of mathematics. Participants will discover how to find interactive math applets, Internet-based lesson plans, and projects that utilize technology. They will also explore technology tools that can be used to help students better comprehend algebraic concepts.

***Cost: Free***